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CLAIMS:

- 1. Signal monitoring apparatus comprising: (a) signal analysing circuitry having an input for receiving a signal from a carrier, said circuitry being operable to detect the presence of a predetermined type or types of signal or other traffic; and (b) a computer coupled to the signal analysing circuitry to receive an output therefrom.
 - 2. Apparatus according to claim 1 wherein said signal analysing circuitry is adapted to receive as input a signal from a telephone line, and to analyze the signal for the presence of a non-audio component.
- 3. Apparatus according to claim 1 wherein said signal analysing circuitry is adapted to receive as input a signal from a telephone line, and to analyze the signal for the presence of a non-audio signal component which is one or more of a digital signal, an out-of-band signal, and a high voltage.
- 4. Apparatus according to claim 1 wherein the signal analysing circuitry is arranged to

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provide an output only when it does not detect a signal or component of a predetermined type.

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5. Apparatus according to claim 1 wherein the output of the signal analysing circuitry comprises the signal as received from the carrier or a modified version thereof.

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- 6. Apparatus according to claim 1 wherein the computer has a port and at least part of the signal analysing circuitry is provided on an element that can be removably plugged into the port of the computer to effect said coupling.
 - 7. Apparatus according to claim 1 wherein at least part of the signal analysing circuitry is spaced from the computer and coupled to it by a wireless data transmission link.
 - 8. Apparatus according to claim 7 wherein said data transmission link is an optical, IrDA, RF or cellular telephone system link.

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9. Apparatus according to claim 1

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wherein at least part of the signal analysing circuitry is spaced from the computer and coupled to it by a cable link.

- 10. Apparatus according to claim 9 wherein said cable link is a USB, serial or PCMCIA link.
- 11. Apparatus according to claim 1 which is for receiving a signal from a telephone line as said carrier, and wherein said computer has a headset and is arranged to provide telephone functions.
 - 12. Apparatus according to claim 1 which is for receiving a signal from a telephone line as said carrier, and wherein said signal analysing circuitry is provided at least in part by an element that is removably plugged into a port of the computer, said element being coupled to a loud speaker and microphone and being arranged to provide telephone functions.
 - 13. Apparatus according to claim 1 wherein the computer is adapted to perform tests on the carrier.

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nonitoring device; (b) wireless receiver means coupled to the device to provide an input thereto, said receiver means being adapted to receive a data-carrying wireless signal and to derive data therefrom to provide a said input; and (c) remote data gathering and wireless transmitting means adapted to be coupled to a data carrier and adapted to derive data from the carrier and transmit it to the receiver.

- 15. Apparatus according to claim 14 wherein the remote data gathering means is adapted to perform a test on the data carrier or on the signal carried thereby to generate test data, and wherein the data transmitted by said wireless transmitting means comprises said test data.
- 20 16. Apparatus according to claim 14 wherein the remote data gathering and wireless transmitting means are adapted to transmit to the receiver means data which comprise all or part of a signal carried by the carrier.
- 25 17. Apparatus according to claim 14 wherein the monitoring device comprises a computer.